



Operator's Manual



21" Rear & Side Discharge Mulching Mower

Model LC-436

(11A-439B190)

IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY

Warning: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer or contact the service department, P.O. Box 361131 Cleveland, Ohio 44136-9722.

WHITE OUTDOOR PRODUCTS COMPANY P.O. BOX 361131 CLEVELAND, OHIO 44136-9722

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FINDING MODEL NUMBER

This Operator's Manual is an important part of your new lawn mower. It will help you assemble, prepare and maintain the unit for best performance. Please read and understand what it says.



Before you start assembling your new equipment, please locate the model plate on the equipment and copy the information from it in the space provided below. The information on the model plate is very important if you need help from our Customer Support Department or an authorized dealer.

- You can locate the model number by standing at the operating position and looking down at the rear of the mower deck. A sample model plate is explained below. For future reference, please copy the model number and the serial number of the equipment in the space below.

(Model Number)

(Serial Number)

**WHITE OUTDOOR
PRODUCTS COMPANY**
P.O. BOX 361131
CLEVELAND, OHIO 44136

Copy the model number here: _____

Copy the serial number here: _____

CALLING CUSTOMER SUPPORT

If you have difficulty assembling this product or have any questions regarding the controls, operation or maintenance of this unit, please call the Customer Dealer Referral Line at the number given below.



Call **1- (800)-949-4483** to reach the Customer Dealer Referral Line or a Customer Support representative. Please have your unit's model number and serial number ready when you call. See previous section to locate this information. You will be asked to enter the serial number in order to process your call .

SECTION 1: IMPORTANT SAFE OPERATION PRACTICES



This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate your lawn mower. Failure to comply with these instructions may result in personal injury. When you see this symbol, heed its warning.

WARNING: The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

DANGER: Your lawn mower was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This lawn mower is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

GENERAL OPERATION

- Read this operator's manual carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manual(s) before operation. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
- Never allow children under 14 years old to operate a power mower. Children 14 years old and over should only operate mower under close parental supervision. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use your mower.
- Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower to help prevent blade contact or thrown object injury. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
- Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs and steel-toed shoes are recommended. Do not wear loose fitting clothes or jewelry. They can be caught in moving parts. Never operate a unit in bare feet, sandals, slippery or light weight (e.g. canvas) shoes.
- Always wear safety glasses or safety goggles during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.
- Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones, toys and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area. Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. To help avoid a thrown objects injury, keep children, bystanders and helpers at least 75 feet from the mower while it is in operation.
- Do not put hands or feet near or under rotating parts. Keep clear of discharge opening at all times as the rotating blade can cause injury.
- Many injuries occur as a result of the mower being pulled over the foot during a fall. Do not hang on to the mower if you are falling; release the handle immediately.
- Never pull the mower toward you while you are walking. If you must back the mower away from a wall or obstruction first look down and behind, and then follow these steps:
 - a. Step back from the mower to fully extend your arms.
 - b. Be sure you are well balanced with sure footing.
 - c. Pull the mower back slowly, no more than half way toward you.
 - d. Repeat these steps as needed.
- Do not operate the mower while under the influence of alcohol or drugs.
- Do not engage the self-propelled mechanism on units so equipped while starting engine.
- The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions and automatically return to the disengaged position when released.
- Never operate the mower in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. Keep a firm hold on the handle and walk, never run. If you feel you are losing your footing, **RELEASE THE BLADE CONTROL HANDLE IMMEDIATELY** and the blade will stop rotating within three seconds.

- Mow only in daylight or good artificial light.
- Stop the blade when crossing gravel drives, walks or roads.
- If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
- Never operate mower without proper guards, grass catcher, plates or other safety protective devices in place.
- Muffler and engine become hot and can cause a burn. Do not touch.
- Only use accessories approved for this machine by the manufacturer. Read, understand, and follow all instructions provided with the approved accessory.
- If situations occur which are not covered in this manual, use care and good judgment. Contact your dealer for assistance. Telephone 1-800-800-7310 for the name of your nearest dealer.

Slope Operation

- For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15 degrees as shown on the slope gauge, do not operate this unit on that area or serious injury could result.

Do:

- Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, hidden objects, or bumps. Tall grass can hide obstacles.
- Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance release the blade control handle immediately and the blade will stop in less than 3 seconds.

Do NOT:

- Do not mow near drop-offs, ditches or embankments. The operator could lose footing or balance.
- Do not mow slopes greater than 15 degrees as shown on the slope gauge.
- Do not mow on wet grass. Reduced footing could cause slipping.

Children

- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the mower and the mowing activity.

Never assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
- Be alert and turn mower off if a child enters the area.
- Before and while moving backwards, look behind and down for small children or other objects.
- Never allow children under age 14 to operate the mower. Children 14 years of age and above should read and understand the operation instructions and safety rules in this manual.
- Use extreme care when approaching blind corners, shrubs, trees, or other objects that may obscure your vision of a child or hazard.

Service

- Use extreme care in handling gasoline and other fuels. They are extremely flammable and the vapors are explosive.
- Use only an approved gasoline container.
- Never remove gas cap or add fuel while the engine is running. Allow engine to cool at least two minutes before refueling.
- Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
- Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- Never refuel machine indoors because flammable vapors will accumulate in the area.
- Never store the machine or fuel container inside where there is an open flame or spark such as a gas water heater, space heater, or furnace.
- Never run an engine inside a closed area.
- To reduce fire hazard, keep mower free of grass, leaves, or other debris build-up. Clean up oil or fuel spillage. Allow mower to cool at least 5 minutes before storing.
- Before cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
- Check the blade and engine mounting bolts at frequent intervals for proper tightness. Also, visually inspect blade for damage (e.g., bent, cracked or worn). Replace with blade which meets original equipment specifications listed in this manual.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- Never tamper with safety devices. Check their proper operation regularly.
- After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before starting and operating the mower.

- Never attempt to make a wheel or cutting height adjustment while the engine is running.
- Grass catcher components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. For safety protection, frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Do not change the engine governor setting or overspeed the engine. Excessive engine speeds are dangerous.

Your Responsibility

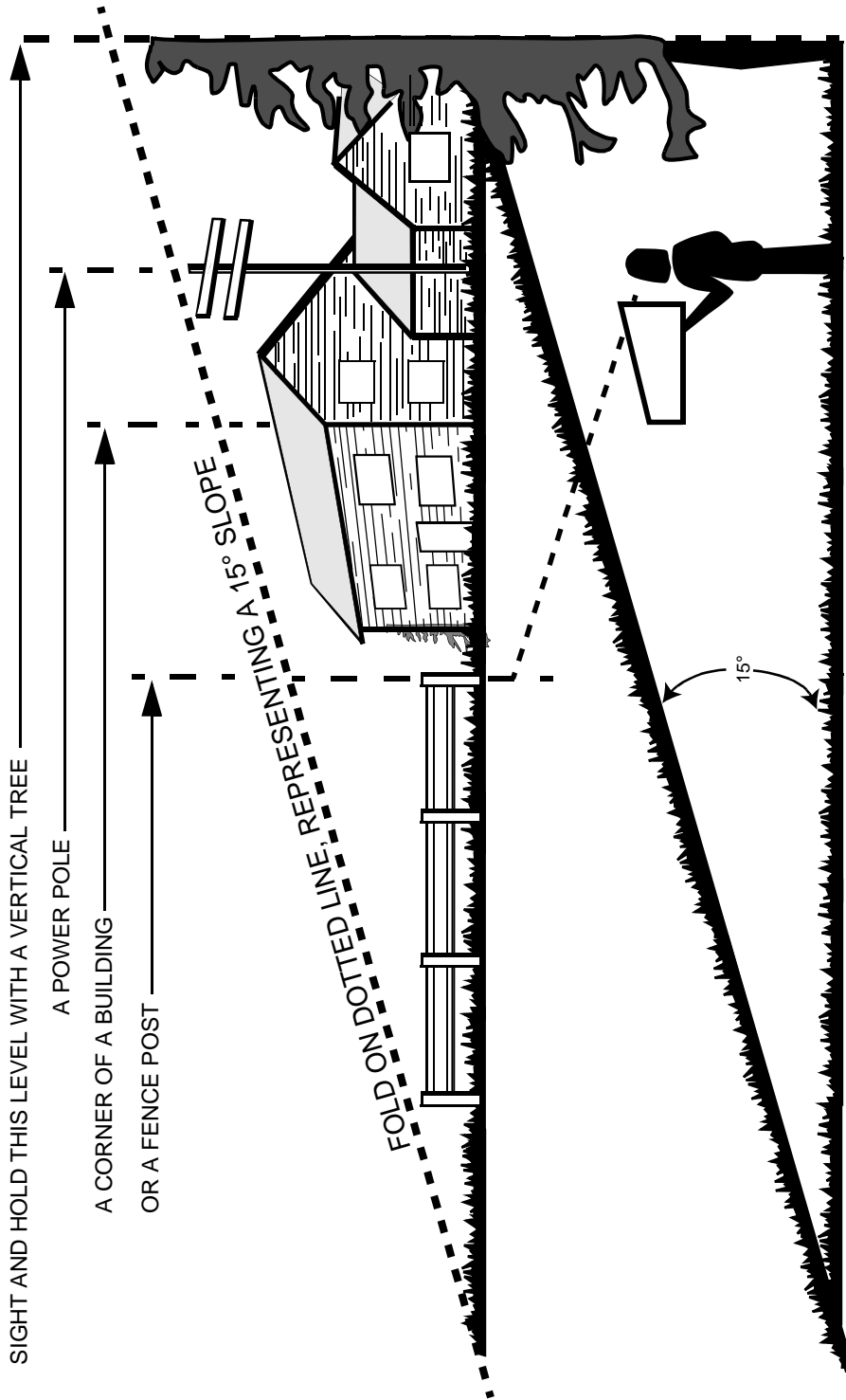
- Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.



SECTION 2: SLOPE GAUGE

Use this page as a guide to determine slopes where you may not operate the lawn mower safely.

USE THIS PAGE AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2-1/2 feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury. Operate RIDING mowers up and down slopes, never across the face of slopes. Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

SECTION 3: ASSEMBLING YOUR LAWN MOWER

To Remove Unit From Carton

- Remove staples, break glue on top flaps, or cut tape at carton end and peel along top flap to open carton.
- Remove loose parts if included with unit (i.e., operator's manual, etc.).
- Cut along corners and lay carton down flat. Remove packing material. Roll or slide unit out of carton. Check carton thoroughly for loose parts.

NOTE: Parts included for assembly of grass catcher are listed on page 8.

Tools Required

1. Pair of Pliers
2. Funnel

Disconnect Spark Plug Wire

- Before setting up your lawn mower, disconnect the spark plug wire from the spark plug. See Figure 1.
- Attach rubber boot to a bolt on the engine to ground as shown in the figure.

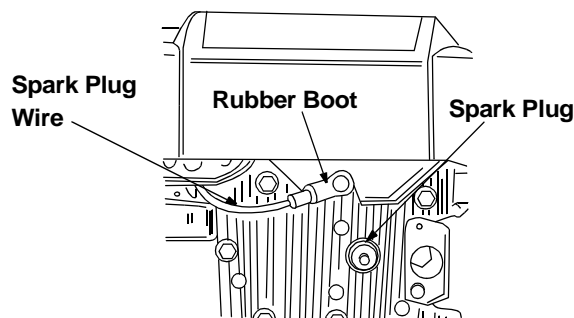


Figure 1

IMPORTANT: This unit is shipped without gasoline or oil in the engine. Be certain to service engine with gasoline and oil before operating your mower.

NOTE: Reference to right or left hand side of the mower is observed from the operating position.

Setting Up Your Lawn Mower

- Remove any packing material which may be between the upper and lower handles for shipping purposes.
- Pull up and back on the upper handle to raise the handle into the operating position. Make certain the lower handle is seated securely into the handle mounting brackets. Tighten the hand knobs on each side of the handle (carriage bolts must be seated properly into the handle). See Figure 2.

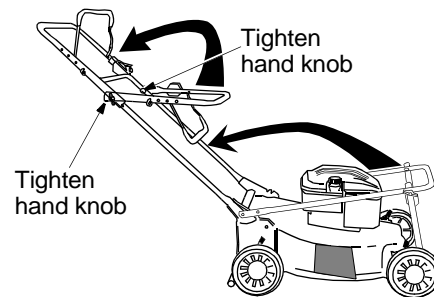


Figure 2

NOTE: Your mower is shipped with the handle in the higher height position. If you wish to lower the height of the handle, refer to the Adjustment Section at this time.

- Remove the hairpin clips from the outer hole in the weld pins on the handle mounting brackets. Using a pair of pliers, squeeze one leg of the lower handle against the handle mounting bracket. Insert the hairpin clip into the inner hole on the weld pin. Repeat on the other side. See Figure 3.

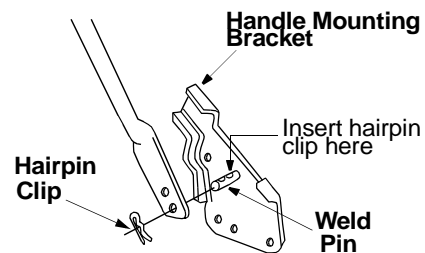


Figure 3

- The rope guide is attached to the right side of upper handle. Loosen the wing nut which secures the rope guide. See Figure 4.
- With spark plug wire disconnected and grounded, hold the blade control handle against the upper handle, and pull the starter rope out of the engine. Release blade control handle. Slip the rope into the rope guide. Tighten the wing nut. See Figure 4.
- Tighten **all** nuts and bolts securely.

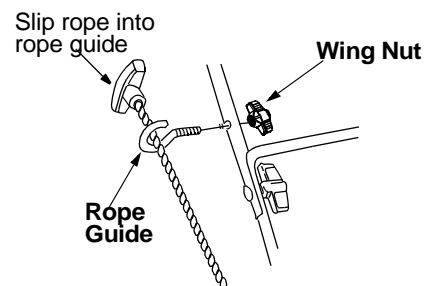


Figure 4

Assembling Grass Catcher

NOTE: Make certain bag is turned right side out before assembling (warning label will be on the outside).

Parts for Soft Grass Bag:

1. Front Frame & Rear Frame
2. Grass Bag

Assemble grass bag as follows:

- Join the rear frame and front frame assembly as shown in Figure 5A.
- Place bag over frame (black plastic side is the bottom of bag). Slip the openings in the side of the plastic channel on bag over the hooks on the grass catcher frame.
- Secure bag to frame by working the plastic channels on bag over frame as shown in Figure 5B. All of the plastic channels except center top of bag attach from the outside of bag. Center top of bag attaches from the inside of bag.

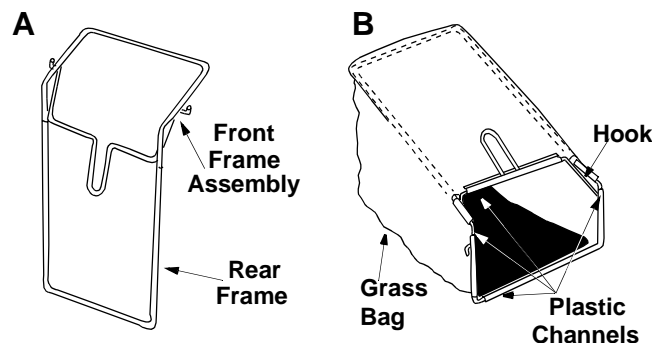


Figure 5

Attaching Grass Catcher To Mower

NOTE: The mulching baffle is already in place on the mower for shipping purposes. Your lawn mower is equipped with both a mulching baffle and a mulching plug. While the mulching baffle is located at the rear of the mower, the mulching plug is located on the right side of the cutting deck. Do not remove the mulching plug from the mower even when you are not mulching.

- To remove the mulching baffle, lift the rear discharge door on the mower. Remove the mulching baffle. See Figure 7.

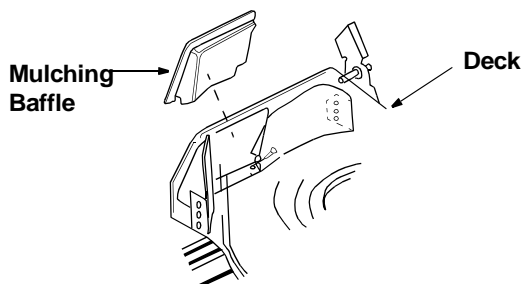


Figure 6

IMPORTANT: Make sure cables are routed to the outside of the handle so they are not in the way when attaching the grass catcher.

- Lift the rear discharge door on the mower.
- Place the hooks on the grass catcher into the slots in the handle bracket assemblies. See Figure 7. Release the rear discharge door.
- **To remove the grass catcher,** lift the rear discharge door on the mower. Lift the grass catcher up, out of the slots in the handle bracket assemblies. Release the rear discharge door.



WARNING: Never operate the mower unless the hooks on the grass catcher are firmly seated in the slots on the handle bracket assemblies, and the rear discharge door rests firmly against the top of the grass catcher.

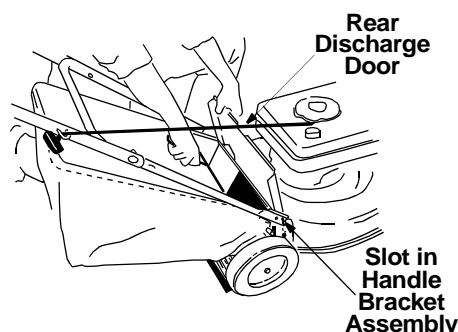


Figure 7

Converting To Side Discharge

If your unit is equipped with a side discharge chute, you can convert to a side discharge mower as follows:

- Lift the rear discharge door and install the mulching baffle. See Figure 7.
- On the right side of the mower, lift the mulching plug. See Figure 8.
- Slide the two hooks of the side discharge chute under the hinge pin on the mulching plug assembly as shown below. Lower the side mulching plug.
- Do not remove the side mulching plug at any time, even when you are not mulching.

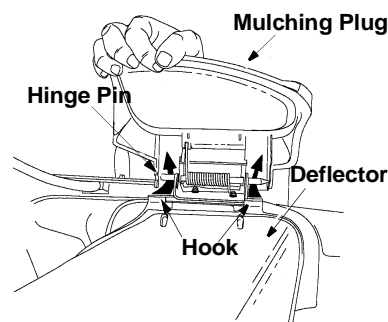


Figure 8

SECTION 4: KNOW YOUR LAWN MOWER

Compare the illustration in Figure 9 with your lawn mower to familiarize yourself with the location of various controls and adjustments.



WARNING: The operation of any lawn mower can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields. We recommend wide vision safety mask for over spectacles or standard safety glasses.



Figure 9

Recoil Starter

The recoil starter handle is attached to the handle and is used to start the engine.

Grass Catcher

The grass catcher, located at the rear of the mower, is used to bag grass clippings for disposal at another site.

Mulching Plug

Both the mulching baffle and the mulching plug are used only for mulching purposes. Instead of collecting the grass clippings in a grass catcher, some mower models have the option of recirculating the clippings back to the lawn. This is called mulching.

Blade Control Handle

The blade control handle is located on the upper handle of the mower. The blade control handle must be depressed in order to operate the unit. Release the blade control handle to stop the engine and the blade.



WARNING: This control mechanism is a safety device. Never attempt to bypass its operations.

Throttle Control

The throttle control is located on the engine. It is used to regulate the engine speed.



WARNING: The throttle control cannot be used to stop the engine. If the throttle control is located on the engine, do not adjust it with the engine running.

Cutting Height Adjustment Lever

This lever, located at each wheel, lets you adjust cutting height of the grass. Remember to put all four levers at the same height to avoid uneven cut.

SECTION 5: OPERATING YOUR LAWN MOWER

NOTE: For shipping purposes, your mower wheels are set in low cutting height position. Refer to instructions for cutting height adjustment on page 10.

Gas and Oil Fill-Up

- Service engine with gasoline and oil as instructed in the engine manual. Follow instructions carefully.



WARNING: Never fill fuel tank indoors, with engine running or until the engine has been allowed to cool for at least two minutes after running.

Before Starting

- Attach spark plug wire to spark plug. Ensure that the metal cap on the end of the spark plug wire (inside the rubber boot) is fastened securely over the metal tip on the spark plug.



WARNING: Be sure no one other than the operator is standing near the lawn mower while starting engine or operating mower.

To Start Engine and Engage Blade



WARNING: Never run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas. Keep hands, feet, hair and loose clothing away from any moving parts on engine and lawn mower.

- Move throttle control lever to the fast (rabbit) position.
- Prime engine as instructed in the separate engine manual packed with your unit.
- Standing behind the unit, depress the blade control handle and hold it against the upper handle.
- Grasp starter handle and pull rope out slowly until engine reaches start of compression cycle (rope will pull slightly harder at this point). Let the rope rewind slowly.
- Pull rope with a rapid, continuous, full arm stroke. Keep a firm grip on starter handle. Return it slowly to the rope guide.

To Stop Engine and Blade

- Release the blade control handle to stop the engine and blade.



WARNING: The blade continues to rotate for a few seconds after engine is shut off.

- Disconnect the spark plug wire and ground it against the engine to prevent accidental starting while equipment is unattended.

Using Your Rotary Mower



WARNING: Never operate your unit without either the rear deflector or entire grass catcher assembly in place.

- Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator and others.
- For best results, do not cut wet grass because it tends to stick to the underside of the mower, and could cause you to slip and fall. New grass, thick grass or wet grass may require a narrower cut.
- Adjust blade speed according to lawn condition.
- For a healthy lawn, never cut more than one-third of the total length of the grass at any one cutting. Lawn should be cut in the fall season as long as there is growth.
- This mower is designed to be operated at full throttle to give you the best cut and do the most effective job of bagging the cut grass.



WARNING: Extensive vibration of the mower during operation is an indication of damage. If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting the mower.

Using the Mulcher

- For effective mulching, do not cut wet grass because it tends to stick to the underside of the deck, preventing proper mulching of grass clippings. New or thick grass may require a narrower cut. The ground speed should be adjusted to the condition of the lawn. If mowing has been delayed and the grass has been allowed to grow in excess of 4", mulching is not recommended. Mow using the grass bag (if so equipped) to reduce the grass height to 3-1/4" maximum before mulching.

SECTION 6: MAKING ADJUSTMENTS



WARNING: Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

Carburetor



WARNING: If any adjustments are made to the engine while the engine is running, keep clear of all moving parts. Be careful of heated surfaces around muffler.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature,

altitude and load. To adjust carburetor, refer to the engine manual packed with your mower.

NOTE: A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor.

Cutting Height

An adjusting plate and thumb lever at each wheel position provides cutting height adjustment. Each adjusting plate has nine height positions.

- Simply depress the lever towards wheel and move wheel and lever assembly to desired position. All

wheels must be placed in the same relative position. See Figure 10.

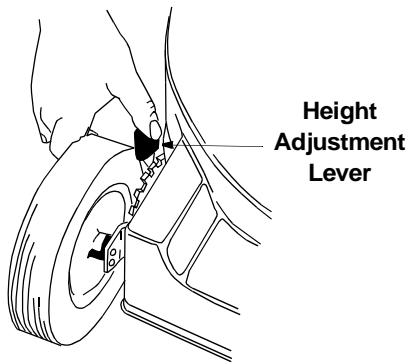


Figure 10

Handle Height

Your mower is shipped with the handle in the higher height position. To lower the handle height for your convenience, proceed as follows.

- Remove the starter rope from the rope guide.
- Remove the upper handle by removing the hand knobs and carriage bolts. Lay upper handle out of the way, being careful not to kink the cables.

- Remove the hairpin clips from the weld pins on the handle brackets. Press outward on the legs of the lower handle, and remove it from the mower.
- Turn the lower handle around so the notches on the bottom of the lower handle are facing forward as shown in Figure 11. Reassemble, placing the bottom holes in the handle over the weld pins in the handle mounting bracket.
- Reassemble the upper handle.
- Place the hairpin clips in the inner holes in the weld pins and attach the starter rope as instructed in the assembly instructions on page 7.

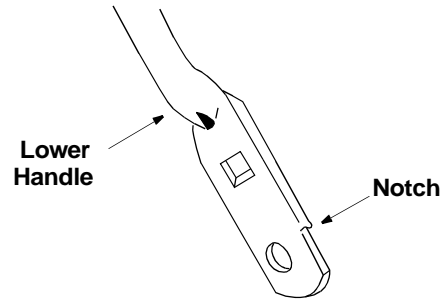


Figure 11

SECTION 7: MAINTAINING YOUR LAWN MOWER

Replacing Rear Flap

- To remove rear flap, cut off the flat end of the wire rod which secures it to the deck. See Figure 12.
- Attach the new flap and new rod to deck, bending the ends of the new rod over to secure to deck.

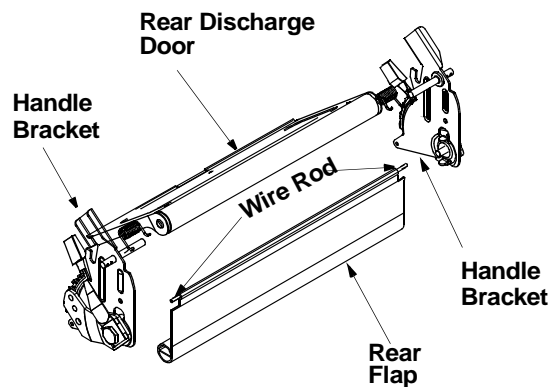


Figure 12

Blade Care

- Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary.



WARNING: When removing the cutting blade for sharpening or replacement, protect hands by using heavy gloves or a rag to grasp the cutting blade.

- Remove the bolt and blade support or bell washer which hold the blade and adapter to the engine crankshaft. See Figure 13. Remove the blade and adapter from the crankshaft.
- When sharpening the blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade.

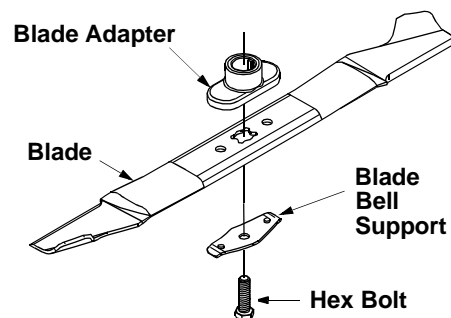
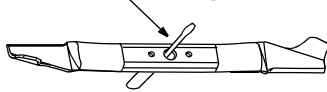


Figure 13

NOTE: An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower and/or personal injury.

- The blade can be tested by balancing it on a round shaft screwdriver. See Figure 14. Remove metal from the heavy side until it balances evenly. It is recommended that the blade always be removed from the adapter for the best test of balance.

1. Insert screw driver through hole



2. Blade should be parallel to ground

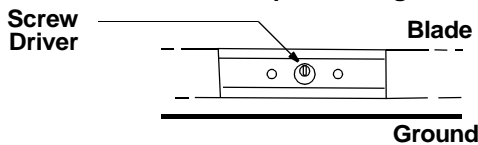


Figure 14

- Before reassembling the blade and the blade adapter to the unit, lubricate the engine crankshaft and the inner surface of the blade adapter with light oil (or engine oil). Also lubricate the bolt holes, bolts and inner surface of the nuts.
- Install the blade adapter on the crankshaft with the "star" away from the engine. Refer to Figure 13. Place the blade with the side marked bottom (or with part number) facing away from the adapter.
- Align the blade bell support over the blade with the tabs in the holes of the blade and insert the hex bolt. Tighten the hex bolt to the torque listed in the "Blade Mounting Torque" section below.

Blade Mounting Torque

Center Bolt: 450 in. lbs. min., 600 in. lbs. max.

IMPORTANT: To ensure safe operation, **all** nuts and bolts must be checked periodically for correct tightness.

Deck Care

NOTE: We do not recommend the use of pressure washers or garden hose to clean your unit. These may cause damage to electric components, spindles, pulleys, bearings or the engine. The use of water will shorten life of the mower and reduce its serviceability.

- The underside of the mower deck should be cleaned after each use to prevent a buildup of grass clippings, leaves, dirt or other matter. If this debris is allowed to accumulate, it will invite rust and corrosion, and may cause an uneven discharge of grass clippings at the next cutting.
- The deck may be cleaned by tilting the mower and scraping clean with a suitable tool (make certain the spark plug wire is disconnected).

Engine

- Refer to the separate engine manual.

Lubrication

(Refer to Lubrication Chart in Figure 15.)



WARNING: Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

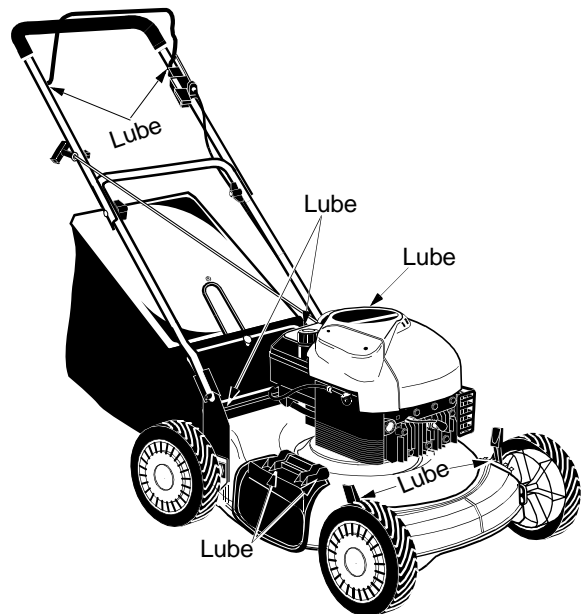


Figure 15: Lubrication Chart

Blade Control

- Lubricate the pivot points on the blade control handle and the brake cable at least once a season with light oil. The blade control must operate freely in both directions.

Rear & Side Discharge Doors

- The torsion springs and pivot points should be lubricated periodically with light oil to prevent any rust or binding. Door must work freely.

Wheels

- The wheels require no lubrication. However, if the wheels are removed for any reason, lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. Engine oil may also be used.

Engine

- Follow engine manual for instruction and schedule of lubrication.

NOTE: When tipping the unit, empty the fuel tank and keep engine spark plug side up.

SECTION 8: OFF-SEASON STORAGE

The following steps should be taken to prepare lawn mower for storage.

- Clean and lubricate mower thoroughly as described in the lubrication instructions.
- Refer to engine manual for correct engine storage instructions.
- Coat mower's cutting blade with chassis grease to prevent rusting.

- Store mower in a dry, clean area. Do not store next to corrosive materials, such as fertilizer.

NOTE: When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust-proof the equipment. Using a light oil or silicone, coat the equipment, especially cables and all moving parts.

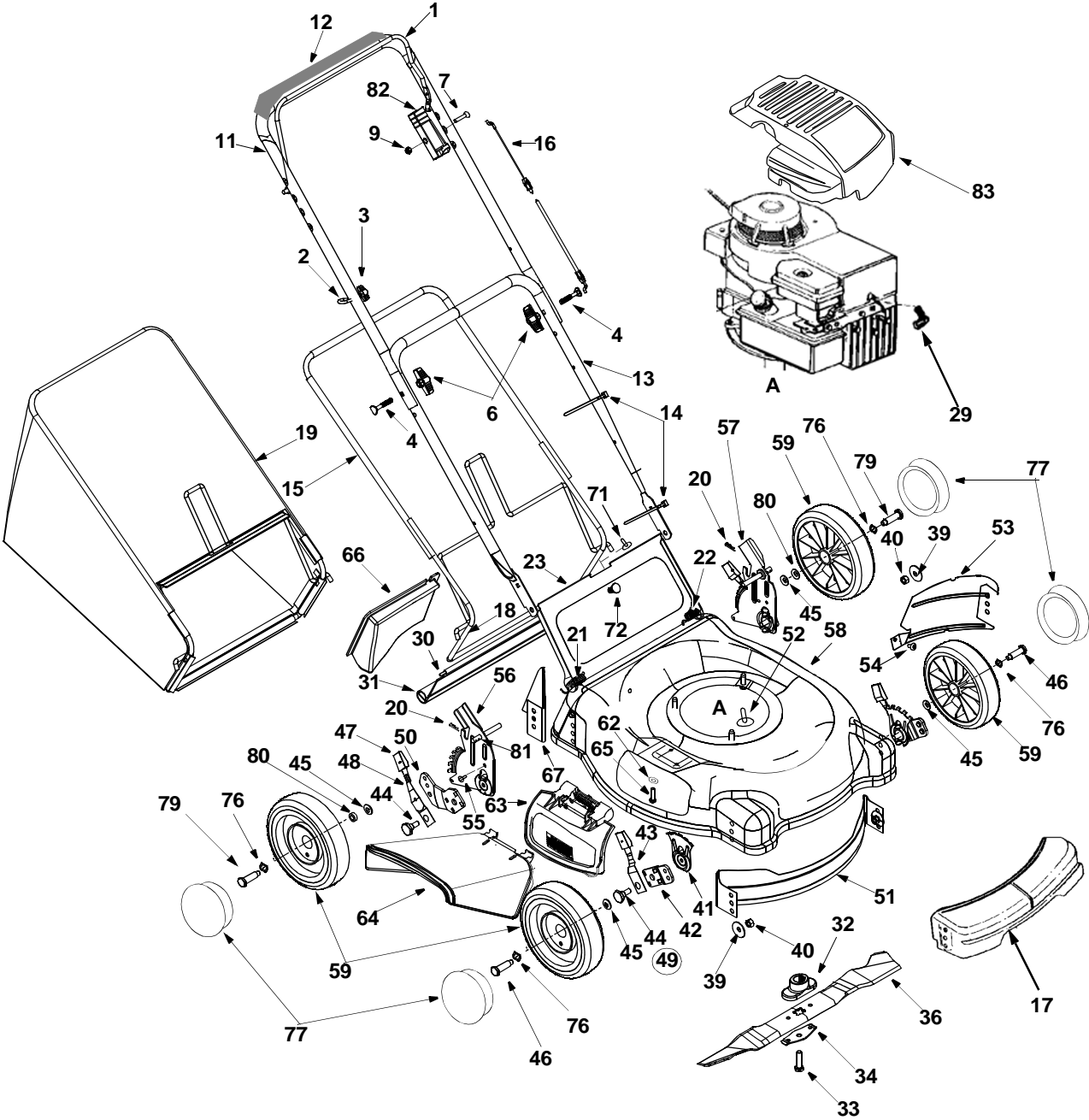
SECTION 9: TROUBLE SHOOTING GUIDE

Trouble	Possible Cause(s)	Corrective Actions
Engine fails to start	1. Control handle disengaged. 2. Spark plug wire disconnected. 3. Dirty air cleaner. 4. Primer button not depressed. 5. Throttle control lever not in correct starting position . 6. Fuel tank empty or stale fuel. 7. Blocked fuel line . 8. Faulty spark plug. 9. Engine flooded.	1. Engage blade control handle. 2. Connect wire to spark plug. 3. Refer to the engine manual packed with your unit. 4. Refer to the engine manual. 5. Move throttle lever to FAST or START position. 6. Clean fuel line. 7. Clean, adjust gap or replace. 8. Refer to the engine manual. 9. Wait for a while and crank the engine.
Engine runs erratic	1. Unit running in START position. 2. Spark plug wire loose. 3. Blocked fuel line or stale fuel. 4. Carburetor out of adjustment.	1. Move throttle lever to FAST position. 2. Connect and tighten spark plug wire. Check spark plug for fouling. 3. Clean fuel line; fill tank with clean, fresh gasoline. 4. Refer to the engine manual packed with your unit.
Engine overheats	1. Engine oil level low. 2. Dirty air cleaner. 3. Air flow restricted. 4. Carburetor not adjusted.	1. Fill crankcase with proper oil. 2. Refer to the engine manual. 3. Stop engine and disconnect spark plug wire. Remove blower housing and clean. 4. Refer to the engine manual.
Occasional skip (hesitates) at high speed	1. Spark plug gap too close. 2. Carburetor idle mixture adjustment improperly set.	1. Adjust gap to .030". 2. Refer to the engine manual.
Idles poorly	1. Spark plug fouled, faulty or gap too wide. 2. Carburetor not adjusted.	1. Reset gap to .030" or replace spark plug. 2. Refer to the engine manual.
Excessive vibration	1. Cutting blade loose or unbalanced. 2. Bent cutting blade.	1. Tighten blade and adapter. Balance blade. 2. Replace blade.
Mower will not mulch grass	1. Engine speed too low 2. Wet grass. 3. Excessively high grass.	1. Set throttle between 3/4 and full throttle. 2. Wait until later to cut. 3. Mow once at a high cutting height, then mow again at desired height .
Uneven cut	1. Wheels positioned incorrectly. 2. Dull blade.	1. Place all four wheels in same height position. 2. Sharpen or replace blade.



NOTE: For repairs beyond the minor adjustments above, contact your local White Outdoor dealer or call the Customer Dealer Referral Line at 1(800)-949-4483.

SECTION 10: PARTS LIST FOR MODEL LC-436



Model LC-436

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	647-0004	Control Handle Assembly	45	736-0105	Bell-Wash. .38" I.D. x .88" O.D.
2	710-1205	Rope Guide	46	738-0102	Front Axle Bolt
3	720-0279	Handle Knob 1/4-20 Thd.	47	720-0190	Spring Lever Knob
4	710-1174	Curved Hd. Bolt 5/16-18 x 2" Lg.	48	732-0417A	Rear Spring Lever
6	720-0314	Hand Knob	49	14578	Height Adj. Assy. Comp. - RH
7	710-1270	Oval C-Sunk Mach. Scr.	N/I	14579	Height Adj. Assy. Comp. - LH
9	712-0324	Hex L-Nut 1/4-20 Thd.	50	14765	Pivot Bar R.H.
11	749-0705	Upper Handle	N/I	14766	Pivot Bar L.H.
12	720-0295	Foam Grip	51	782-5002	Front Baffle
13	749-0928	Lower Handle	52	710-0654A	Hex L-Wash.Scr. 3/8-16 x 1" Lg.
14	726-0240	Cable Tie	53	782-5003	Rear Baffle
15	764-0310	Rear Catcher Frame	54	710-1017	Torx Mach AB-Tap Scr. 1/4 x.62"
16	746-0550	Control Cable - 39"	55	710-0896	HexIndWash. Scr. 1/4-14:.625
17	731-1950	Front Cover: Gray	56	682-0516A	Handle Brkt. Ass'y.—RH
18	764-0311	Front Catcher Frame	57	682-0515A	Handle Brkt. Ass'y.—LH
19	764-0636	Grass Bag	58	782-0047A	Cutting Deck
20	714-0104	Int. Cotter Pin 5/16" Dia.	59	734-1978	Wheel Black Link
21	732-0678	Door Spring - R.H.	62	736-0270	Bell-Washer 1/4" I.D.
22	732-0677	Door Spring - L.H.	63	682-7000	Hinged Mulching Plug
23	782-7000	Rear Discharge Door	64	731-1409	Chute Deflector: Side Discharge
29	735-0639	Spark Plug Boot	65	710-0599	Hex Hd Self-Tp Scr. 1/4-20 x .5" L.
30	732-0700	Wire Rod	66	782-5007A	Mulching Baffle Plug
31	731-1236	Rear Flap	67	782-5004	Mulching Baffle - R.R.
32	753-0588	Blade Adapter (Kit includes 32-34)	71	710-0192	Truss Scr. #10-24 x .38" Lg.
33	710-1044	Hex Bolt 3/8-24 x 1.5" Lg.	72	720-0275	Knob
34	736-0524A	Blade Bell Support	76	736-0504	Wave Washer
36	742-0741	21" Mulching Blade	77	731-0981A	Hub Cap - Rad. Spoke - Grey
39	736-0356	Bell-Wash. .39" I.D. x 1.38"	79	738-0213	Rear Axle Bolt
40	712-0798	Hex Nut 3/8-16 Thd.*	80	750-0535	Spacer
41	15261A	Height Adj. Plate	81	710-1248	Weld Pin
42	15262B	Pivot Bar	82	746-0883	Throttle Housing w/o Lever
43	14832	Front Spring Lever Ass'y. w/Knob	83	751B281451	Engine Shroud: Oyster Gray
44	738-0507B	Shld. Bolt .5" Dia. x .357"			

NOTE: For **painted parts**, please refer to the list of color codes below. Please add the applicable color code, wherever needed, to the part number to order a replacement part. For instance, if a part, numbered 700-xxxx, is painted Oyster Gray, the part number to order would be 700-xxxx-0662.

Oyster Gray: 0662
Powder Black: 0637
Red Metallic: 0650

MANUFACTURER'S LIMITED WARRANTY FOR:



The limited warranty set forth below is given by White Outdoor Products Co. with respect to new merchandise purchased and used in the United States, its possessions and territories.

White Outdoor Products Co. warrants this product against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in material or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water or damage because of other peril or natural disaster. Damage resulting from the installation or use of any accessory or attachment not approved by White Outdoor Products Co. for use with the product(s) covered by this manual will void your warranty as to any resulting damages.

Normal wear parts or components thereof are subject to separate terms as follows: All normal wear part or component failures will be covered on the product for a period of 90 days regardless of cause. After 90 days, but within the two year period, normal wear part failures will be covered ONLY IF caused by defects in material or workmanship of OTHER component parts. Normal wear parts and components include, but are not limited to, belts, blades, blade adapters, grass bags, rider deck wheels, seats, snow thrower skid shoes, shave plates and tires. Batteries are covered by a 90-day limited replacement warranty.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE THROUGH YOUR LOCAL WHITE OUTDOOR DEALER. To locate the dealer in your area, please check for a listing in the Yellow Pages or contact the Customer Dealer Referral Line of White Outdoor Co. by calling 1-330-225-8883 or writing to P.O. Box 361131, Cleveland, Ohio 44136-0019.

This limited warranty does not provide coverage in the following cases:

- a. The engine or component parts thereof. These items carry a separate manufacturer's warranty. Please refer to the applicable manufacturer's warranty on these items.
- b. Routine maintenance items such as lubricants, filters, blade sharpening and tune-ups, or adjustments such as brake adjustments, clutch adjustments or deck adjustments; and normal deterioration of the exterior finish due to use or exposure.

c. Log splitter pumps, valves and cylinders have a separate one year warranty.

d. White Outdoor Co. does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through White Outdoor Co. authorized channels of export distribution.

No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty or guaranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product shall bind White Outdoor Co. During the period of the Warranty, the exclusive remedy is repair or replacement of the product as set forth above. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

The provisions as set forth in this Warranty provide the sole and exclusive remedy arising from the sales. White Outdoor Co. shall not be liable for incidental or consequential loss or damages including, without limitation, expenses incurred for substitute or replacement lawn care services, for transportation or for related expenses, or for rental expenses to temporarily replace a warranted product. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.)

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. Alteration of the safety features of the product shall void this Warranty. You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the use or misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser, original lessee or the person for whom it was purchased as a gift.

How State Law Relates to this Warranty: This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.